

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: § Attorney Docket No. 0376FV.44313
Yunusov et al. §
§
Serial No. 10/618,023 § Examiner: Wong, Leslie
§
Filed: July 11, 2003 § Art Unit: 1794
§
For: Enzymatic Process for Generation §
of Foods, Feedstuffs, and §
Ingredients Therefore §

RESPONSE TO OFFICE COMMUNICATION DATED MAY 28, 2008

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Examiner Wong:

In response to the office communication mailed May 28, 2008, Applicant respectfully submits that the amendments made to claim 32 in the previously submitted Response to Office Action were fully supported in the specification as follows:

- (a) "wherein the organic material comprises a quantity of starch and mucilage,"

For example: [0009] discusses an embodiment having starch and mucilage

- (a) "the amount of glycosidase being effective to digest polysaccharides,"

The overall purpose of the invention is to increase digestibility/solubility of proteins and starches.

See [0005] line 9-10 as well as [0015] ("are subsequently transformed into highly soluble (digestible) protein and starch fraction"). Glycosidase is known in the art as an enzyme that cleaves the glucosidic bond between two glucose molecules. Starch is a well known polysaccharide carbohydrate consisting of a large number of glucose monosaccharide units joined together by glycosidic bonds. The amount of glycosidase used is that amount effective to digest polysaccharides, such as the starch identified above, by cleaving the glucosidic bond. Consequently, support is found in the specification.

(c) "treating the organic material with an amount of protease, the amount of protease being effective to break down proteins at the modified pH"

For example: [0006] shows in one embodiment that "a protease (e.g., neutrase) is added to convert the protein into a soluble state." This demonstrates the use of an amount effective to break down proteins.

(e) "treating the organic material with an amount of alpha-amylase, the amount of alpha-amylase being effective to break down starch molecules at the modified temperature and pH"

For example: [0006] shows in an embodiment that an alpha-amylase (e.g., termamyl) can be added to convert the starch to a soluble state (i.e. break down starch molecules). This demonstrates an amount effective to break down starch molecules.

CONCLUSION

The foregoing remarks are intended to assist the Examiner in re-examining the application and in the course of explanation may employ shortened or more specific or variant descriptions of some of the claim language. Such descriptions are not intended to limit the scope of the claims; the actual claim language should be considered in each case. Furthermore, the remarks are not to be considered to be exhaustive of the facets of the invention, which render it patentable, being only examples of certain advantageous features and differences that Applicant's attorney chooses to mention at this time.

Reconsideration of the application and allowance of all of the claims are respectfully requested. In view of the foregoing Response, Applicant respectfully submits that all of the claims are allowable, and Applicant respectfully requests the issuance of a Notice of Allowance. Should further discussion regarding the application be desired by the Examiner, a telephone conference is respectfully requested. I can be reached at (713) 221-3306.

Applicant has submitted this response within the statutory one month period and therefore submits that no fee is necessary. In the event that Applicant is mistaken and this fee is inadequate, the Commissioner is authorized to charge BRACEWELL & GIULIANI LLP, Deposit Account 50-0259 (376FV.44313) in the amount of any deficiency.

Date: June 2nd, 2008

Respectfully submitted,


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